

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("5563426").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/07/23 10:09
S2	1	S1 and (Ni or nickel)	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/23 10:09
S3	1	("5403772").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/07/23 10:25
S4	1	S3 and (Ni or nickel)	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/23 10:26
S5	410	(TFT or thin adj film adj transistor) and (Ni or nickel) with crystal\$8 and (@ad < "19950828" or @riad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/23 14:28
S6	341	S5 and (matrix or pixel or display) and (driv\$3 or peripheral)	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/23 14:29
S7	1	("5569935").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/07/23 15:22
S8	1	S7 and (matrix or pixel or display) and (driv\$3 or peripheral)	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/23 15:22
S9	1	("5534716").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/07/23 16:31
S10	1	S9 and (matrix or pixel or display) and (driv\$3 or peripheral)	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/23 16:31
S11	1	("5605846").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 08:16
S12	1	("5569610").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 08:51

S13	1	("5656825").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 08:59
S14	1	("5585291").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 10:20
S15	1	("5624831").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 10:30
S16	410	(TFT or thin adj film adj transistor) and (Ni or nickel) with crystal\$8 and (@ad < "19950828" or @riad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/24 10:55
S17	341	S16 and (matrix or pixel or display) and (driv\$3 or peripheral)	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/24 10:55
S18	69	S16 not S17	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/24 10:55
S19	1	("5501989").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 11:02
S20	1	("5534716").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 13:58
S21	1	S20 and (H or hydrogen)	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/24 13:58
S22	1	S20 and (halogen or F or fluorine or Cl or chlorine or Br or bromine or I or iodine)	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/24 14:07
S23	1	S20 and (oxygen or nitrogen or carbon)	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/24 15:17
S24	169	(TFT or thin adj film adj transistor) with channel with length and @ad < "19940831"	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/24 15:55
S25	1954	s adj value and @ad < "19940831"	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/24 16:22
S26	4	(TFT or thin adj film adj transistor) with s adj value and @ad < "19940831"	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/24 16:23
S27	1413	(257/66).OCLS.	US- PGPUB; USPAT;	OR	OFF	2008/07/24 17:23

			USOCR			
S28	65	S27 and (TFT or thin adj film adj transistor) and (Ni or nickel) with crystal\$8 and (@ad < "19950828" or @rlad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/24 17:23
S29	179	(257/70).CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 17:23
S30	14	S29 and (TFT or thin adj film adj transistor) and (Ni or nickel) with crystal\$8 and (@ad < "19950828" or @rlad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/24 17:23
S31	116	(257/E29.292).CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 17:24
S33	1318	(257/E29.293).CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 17:24
S34	78	S33 and (TFT or thin adj film adj transistor) and (Ni or nickel) with crystal\$8 and (@ad < "19950828" or @rlad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/24 17:24
S35	349	(257/E29.294).CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 17:24
S36	24	S35 and (TFT or thin adj film adj transistor) and (Ni or nickel) with crystal\$8 and (@ad < "19950828" or @rlad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2008/07/24 17:24
S37	7	((("563426") or ("5639698") or ("5608232") or ("5616506") or ("5534716") or ("5614733") or ("5605846"))).PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2009/01/06 12:36
S38	7	S37 and (Ni or nickel) with concentration	US- PGPUB; USPAT; USOCR	OR	ON	2009/01/06 12:38
S39	1	("5569610").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2009/01/06 13:25
S40	1	S39 and (Ni or nickel) with concentration	US- PGPUB; USPAT; USOCR	OR	ON	2009/01/06 13:25
S41	2	((("5643826") or ("5569610"))).PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 10:38
S42	2	S41 and (Ni or nickel)	US- PGPUB; USPAT; USOCR	OR	ON	2009/06/11 10:39
S43	17	("Ni" or nickel) with peripheral and (TFT or	US-	OR	ON	2010/03/30

		thin adj film adj transistor) and (@rlad < "19940829" or @ad < "19940829")	US- PGPUB; USPAT; USOCR			10:30
S44	124	("Ni" or nickel) and peripheral with (TFT or thin adj film adj transistor) and (@rlad < "19940829" or @ad < "19940829")	US- PGPUB; USPAT; USOCR	OR	ON	2010/03/30 10:52
S45	113	("Ni" or nickel) and peripheral with (TFT or thin adj film adj transistor) and crystalliz\$5 and (@rlad < "19940829" or @ad < "19940829")	US- PGPUB; USPAT; USOCR	OR	ON	2010/03/30 10:53
S46	131	("4394191"   "4951113"   "4963503"   "5032531"   "5064775"   "5202274"   "5231039"   "5262654"   "5278093"   "5287205"   "5289030"   "5294555"   "5306651"   "5308998"   "5317432"   "5320973"   "5326712").PN. OR ("5403762").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2010/03/30 10:54
S47	14	S46 and ("Ni" or nickel) and (TFT or thin adj film adj transistor) and crystalliz\$5 and (@rlad < "19940829" or @ad < "19940829")	US- PGPUB; USPAT; USOCR	OR	ON	2010/03/30 10:55
S48	1	("5403772").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/03/30 10:55
S49	445	("Ni" or nickel) with crystalliz\$6 with (Si or silicon) and (@rlad < "19940829" or @ad < "19940829")	US- PGPUB; USPAT; USOCR	OR	ON	2010/03/30 11:17
S50	232	("Ni" or nickel) with crystalliz\$5 with (Si or silicon) and (@rlad < "19940829" or @ad < "19940829")	US- PGPUB; USPAT; USOCR	OR	ON	2010/03/30 11:17
S51	158	("Ni" or nickel) with crystalliz\$5 with (Si or silicon) and (TFT or thin adj film adj transistor) and (@rlad < "19940829" or @ad < "19940829")	US- PGPUB; USPAT; USOCR	OR	ON	2010/03/30 11:17
S52	58	(Shunpei with Yamazaki).in. and ("Ni" or nickel) and (TFT or thin adj film adj transistor) and (@rlad < "19940829" or @ad < "19940829")	US- PGPUB; USPAT; USOCR	OR	ON	2010/03/30 11:30
S53	1	("5563426").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/03/30 11:37
S54	103	("5147826"   "5275851"   "5481121"   "5492843"   "5501989"   "5529937"   "5534716"   "5543352"   "5550070"   "5580792"   "5585291"   "5612250"   "5643826"   "5654203").PN. OR ("6162667").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 10:08
S55	93	S54 and (Ni or nickel)	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 10:08
S56	14	S54 and (Ni or nickel) and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT;	OR	ON	2010/12/17 10:09

			USOCR			
S57	1092	(TFT or thin adj film adj transistor) and (Ni or nickel) and (@ad < "19950828" or @rlad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 10:21
S58	703	(TFT or thin adj film adj transistor) and (Ni or nickel) and (crystal\$4 or polycrystal\$4) with (Si or silicon) and (@ad < "19950828" or @rlad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 10:22
S59	237	(TFT or thin adj film adj transistor) and (Ni or nickel) with (crystal\$4 or polycrystal\$4) with (Si or silicon) and (@ad < "19950828" or @rlad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 10:22
S60	1	("5403772").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/12/17 10:23
S61	64	("4015558"   "5403772"   "5426064"   "5501989"   "5523257"   "5569610"   "5578520").PN. OR ("5851860").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 11:15
S62	9	S61 and (TFT or thin adj film adj transistor) and (Ni or nickel) and (@ad < "19950828" or @rlad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 11:16
S63	626	(thin adj film adj transistor or TFT) with (pixel and peripher\$2) and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 12:51
S64	236	S63 not (semiconductor adj energy adj laboratory).as.	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 12:52
S65	42	S64 and (Ni or nickel)	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 12:52
S66	1080	(Ni or nickel) with crystalliz\$5 and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 14:47
S67	739	S66 not (semiconductor adj energy adj laboratory).as.	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 14:47
S68	397	(Ni or nickel) with (Si or silicon) with crystalliz\$5 and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 14:47
S69	114	S68 not (semiconductor adj energy adj laboratory).as.	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 14:47
S70	289	metal with (Si or silicon) with crystalliz\$5 and (@rlad < "19950828" or @ad < "19950828") not S68	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 15:57
S71	285	S70 not (semiconductor adj energy adj	US-	OR	ON	2010/12/17

		laboratory).as.	PGPUB; USPAT; USOCR			15:57
S72	10	S71 and (TFT or thin adj film adj transistor)	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 15:58
S73	1	("5147826").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/12/17 16:23
S74	414	("4132571"   "4358326"   "4379020"   "4433202"   "4693759"   "4814292"   "4902642"   "4904611").PN. OR ("5147826").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 16:33
S75	75	S74 not (semiconductor adj energy adj laboratory).as.	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 16:33
S76	29	S75 and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 16:34
S77	362	("4772564"   "5147826").PN. OR ("5275851").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 16:41
S78	46	S77 not (semiconductor adj energy adj laboratory).as.	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 16:41
S79	15	S78 and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 16:41
S80	34	(TFT or thin adj film adj transistor) with pixel with peripher\$2 and @ad < "19940831"	US- PGPUB; USPAT; USOCR	OR	ON	2010/12/17 16:57
S81	248	("4187126"   "4466179"   "4904611"   "5147826"   "5177578"   "5275851"   "5323042"   "5341012").PN. OR ("5534716").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/13 13:46
S82	66	S81 and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/13 13:46
S83	72	("20020011783"   "20020163300"   "3792308"   "3956032"   "4007462"   "4569305"   "4683146"   "4687352"   "4792817"   "4891110"   "4938569"   "5041190"   "5132248"   "5202261"   "5214350"   "5250439"   "5274481"   "5276380"   "5281489"   "5326692"   "5363800"   "5380679"   "5399390"   "5403617"   "5438241"   "5439519"   "5446570"   "5472889"   "5477352"   "5510066"   "5525434"   "5534716"   "5540999"   "5558946"   "5593788"   "5610932"   "5618469"   "5645901"	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/13 13:56

		"5652019"   "5652067"   "5656826"   "5665857"   "5713278"   "5728626"   "5742129"   "5744171"   "5757453"   "5759268"   "5770260"   "5771562"   "5779799"   "5784132"   "5821002"   "5854139"   "5935331"   "5972419"   "5989945"   "5997122"   "6008828"   "6104311"   "6137221"   "6153711"   "6180294"   "6187457"   "6195142"   "6337222"   "6580212"   "6593591"   "6610552"   "6696785").PN. OR ("7067337").URPN.				
S84	46	S83 and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/13 13:57
S85	103	("5147826"   "5275851"   "5481121"   "5492843"   "5501989"   "5529937"   "5534716"   "5543352"   "5550070"   "5580792"   "5585291"   "5612250"   "5643826"   "5654203").PN. OR ("6162667").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/13 15:05
S86	14	S85 and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/13 15:05
S87	151	("5112764"   "5147826"   "5275851"   "5330935"   "5403772"   "5426064").PN. OR ("5550070").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/13 15:07
S88	28	S87 and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/13 15:08
S89	362	("4772564"   "5147826").PN. OR ("5275851").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/13 15:30
S90	218	S89 and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/13 15:30
S91	227	("3840695"   "4663645").PN. OR ("5323042").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/13 16:47
S92	96	S91 and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/13 16:47
S93	1	("5289030").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2011/01/14 10:29
S94	688	peripher\$2 with (matrix or pixel) with (crystal\$4 or crystallinity) and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/14 15:25
S95	357	(TFT or thin adj film adj transistor) with peripher\$2 with (matrix or pixel) with	US- PGPUB;	OR	ON	2011/01/14 15:26

		(crystal\$4 or crystallinity) and (@rlad < "19950828" or @ad < "19950828")	USPAT; USOCR			
S96	106	S95 not (semiconductor adj energy adj laboratory).as.	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/14 15:27
S97	254	S94 not (semiconductor adj energy adj laboratory).as. not S96	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/14 17:08
S98	23	S97 and (Ni or nickel)	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/14 17:09
S99	231	S97 not S98	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/14 17:14
S100	176	S99 and transistor	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/14 17:15
S101	53	("4024626"   "4199773"   "4395726"   "4776673"   "5132820"   "5191453").PN. OR ("5574292").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/15 14:35
S102	12	S101 and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/15 14:35
S103	85	peripher\$2 with ((single or mono) adj crystal\$4 or monocrystal\$4 or monosilicon) and (matrix or pixel) with (poly adj crystal\$4 or polycrystal\$4) and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/15 15:20
S104	1	("5289030").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2011/01/15 16:02
S105	1	("5804473").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2011/01/19 17:11
S106	15	("5581092").PN. OR ("5804473").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/19 17:11
S107	74	("5040875"   "5075746"   "5142344").PN. OR ("5294811").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/20 10:25
S108	44	S107 and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2011/01/20 10:25
S110	4	(TFT or thin adj film adj transistor) and (((hydrogen or halogen) and carbon and nitrogen) with low\$2 with concentration) and (@rlad < "19950828" or @ad < "19950828")	US- PGPUB; USPAT; USOCR	OR	ON	2011/04/22 14:36

		not (Semiconductor adj Energy).as.				
S111	21	("4781766"   "5155051"   "5264070").PN. OR ("5498904").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/22 14:44
S112	20	(TFT or thin adj film adj transistor) and (((hydrogen or halogen) and carbon and nitrogen) with low\$2 with concentration) and (@rlad < "19950828" or @ad < "19950828") not S110	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/22 14:46
S113	67	(TFT or thin adj film adj transistor) and (((hydrogen or halogen) and carbon and nitrogen) with concentration) and (@rlad < "19950828" or @ad < "19950828") not S110 not S112	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/22 14:50
S114	4	S113 not (Semiconductor adj Energy).as.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/22 14:57
S115	17	(TFT or thin adj film adj transistor) and (((hydrogen or halogen) and carbon and nitrogen) with atomic) and (@rlad < "19950828" or @ad < "19950828") not S110 not S112 not S113	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/22 15:07
S116	22	Fonash.in. and (Ni or nickel)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/06 10:33
S117	3	S116 and (@rlad < "19950828" or @ad < "19950828")	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/06 10:34

**EAST Search History (1 Interference)**

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